

COMPANY: Ecotechnology, Inc.

1

CLIMATE WISE ACTION PLAN

Your Key to Enhanced Productivity and Savings

SECTION 1.0: CLIMATE WISE GOALS & ACTIONS	STATUS				
<i>Below, please provide a narrative description of the commitments that your company has made to reduce greenhouse gases. Next to each goal and action, please indicate the status of project implementation: New, Expanded, or Accelerated Activity. Definitions can be found to the right. See Instruction 1.1 in the Instruction Guide for a complete definition of these activity categories.</i>	New Initiative: An activity that you plan to implement due to CW Expanded Activity: An activity that has been broadened within the same project scope Accelerated Activity: An activity in which the implementation has been stepped up				
SECTION 1.1: CORPORATE GOAL (optional)					
<i>For tips on developing your corporate energy efficiency and pollution prevention goal, see Instruction 1.1 in the Instruction Guide.</i>	Start Date	Completion Date	New Initiative	Expanded Activity	Accelerated Activity
<i>Maintain a 3% annual reduction in energy use per unit of production.</i>	1995	2000		X	
Section 1.2: Climate Wise Energy Efficiency and Pollution Prevention Actions					
<i>In the spaces below, please provide a narrative description of the actions your company will initiate, expand, or accelerate as part of its Climate Wise Action Plan. Include projects initiated since 1990 as well as participation in other Partnership Programs. Refer to Instruction 1.2 in the Instruction Guide for details on reporting your actions.</i>					
► Wise Tip: For an illustration of the types of energy efficiency and pollution prevention projects you can implement, see Sections III-VIII in the Opportunities Assessment Guide. For a complete listing of Partnership Programs, see Appendix I in the Opportunities Assessment Guide.	Start Date	Completion Date	New Initiative	Expanded Activity	Accelerated Activity
<i>Repair or replace steam traps and piping systems throughout each facility.</i>	5/97	10/99	X		
<i>Retrofit the 200MMBtu/hr boilers with firetube turbulators and install continuous flue gas analyzers. (Emissions reductions of 3,610,000 lbs CO₂ and savings of \$126,300/yr expected.)</i>	11/96	2/97	X		
<i>Recover waste heat generated from curing oven exhaust and feed it back to the waste heat boilers and appended auxiliary boilers.</i>	6/96	10/96		X	
<i>Evaluate and repair compressed air line leaks in manufacturing and maintenance shops during summer shut down. (504,214 lbs CO₂ reduction and \$9,200 annual savings expected.)</i>	3/95	12/95		X	
<i>Insulate hot water/steam lines throughout each facility with optimum-thickness insulation to avoid heat loss.</i>	9/96	12/96	X		



CLIMATE WISE ACTION PLAN

Section 1.2: Climate Wise Actions (continued)

For tips on recording your Climate Wise activities, see Instruction 1.2 in the Instruction Guide.

► *Wise Tip: Refer to the case studies in the Opportunities Assessment Guide for examples of energy efficiency and pollution prevention projects implemented by leading companies.*

Start Date	Completion Date	New Initiative	Expanded Activity	Accelerated Activity
3/95	10/97		X	
10/96	5/97		X	
10/96	12/96	X		
1/97	9/97	X		
2/97	on-going	X		
12/94	12/99		X	
6/97	12/99	X		

Install a solvent recovery system for methanol in the parts-cleaning operation to reduce raw material, disposal, and transportation costs as well as associated emissions.

Where applicable, implement water conservation measures in each plant by replacing the 0.5 inch reducers with 0.25 inch reducers on the high-pressure hoses, and install cooling water recycling systems on the vacuum pumps.

Conduct energy audits and develop recommendations to improve energy efficiency in the three least efficient facilities.

Institute an annual employee Suggestion of the Month Program that provides recognition and monetary awards for energy efficiency and pollution prevention innovative improvements.

Reduce the number of single occupant vehicle trips from 800 per shift to 600 by offering carpooling incentives.

Continue lighting retrofits underway for the Green Lights program.

In conjunction with the Energy Star Buildings Program, implement energy efficiency upgrades identified through previous energy audits.



CLIMATE WISE ACTION PLAN

3

Section 1.2: Climate Wise Actions (continued)	Start Date	Completion Date	New Initiative	Expanded Activity	Accelerated Activity
Join the Motor Challenge program and replace old motors on process equipment with high-efficiency motors.	1/97	10/99	X		
Expand recycling of solid and industrial wastes to include pallets and fiberboard containers as part of Waste Wise commitments.	12/93	12/98		X	
Install occupancy sensors on light switches in offices and conference rooms.	2/91	12/91			
Install a closed loop recycling system for the machining coolant.	3/94	5/94			
Purchase a grinder to grind and re-use plastic caps as feedstock.	6/95	6/95			

Section 1.3: Results: Please indicate your company's energy use, savings, and emissions reductions for the Climate Wise actions described above.

- Wise Tip: Call the Wise Line at 1-800-459-9473 for assistance in quantifying the results of your Climate Wise projects. Also refer to Instruction 1.3 in the Instruction Guide and accompanying Model Action Plan Worksheets. Enter baseline year in the box provided, and see the instructions for further details on selecting a baseline year. For other greenhouse gases, indicate the gas you are reducing in the space provided and the appropriate units.

Results/Impacts		Baseline Year: (1990 or Later) <input type="text" value="1991"/>	Current Year: <input type="text" value="1996"/>	In the Year 2000
Annual Energy Use	Electricity Use (kWh or MWh)	1,820 MWh	4,000 MWh	3,250 MWh
	Non-Electricity Use (Btu, J, etc.)	955,360 MMBtu	808,644 MMBtu	658,644 MMBtu
Annual Energy Savings	Electricity Use (kWh or MWh)	X	550 MWh	750 MWh
	Non-Electricity Use (Btu, J, etc.)		146,716 MMBtu	150,000 MMBtu
Annual Cost Savings			\$ 406,945	\$ 430,000
Annual Emissions Reductions:			X	
► CO ₂	Electricity Use (lbs, tons, etc.)		420 metric tons	575 metric tons
	Non-Electricity Use (lbs, tons, etc.)		7,818 metric tons	7,993 metric tons
► Other Greenhouse Gases: CFC-12 (lbs, tons, etc.)			3,000 lb	3,500 lb
► Other Greenhouse Gases: HCFC-22 (lbs, tons, etc.)			1,000 lb	1,200 lb



CLIMATE WISE ACTION PLAN

4

SECTION 2.0: COMPANY CONTACT INFORMATION

In the space below, please provide the following company contact information:

Fred Johnson

(Name in Print)

Director of Engineering

(Title)

7-16-96

(Date)

Ecotechnology

(Company)

(999) 888-0000

(Phone)

(999) 888-0001

(Fax)

MS 61024

(Address)

1400 Greenway Street

(Address)

Anytown, IA 00000

(City, State, Zip)

3399

SIC Code

3469

SIC Code

275

of Employees

Entity Type: Corporation ☐

Facility ☒

Please mail your Action Plan and any supporting material you would like to provide to:

*Climate Wise Clearinghouse
c/o ICF Kaiser Consulting Group
9300 Lee Highway
Fairfax, Virginia 22031*

You will be contacted by a Climate Wise representative to acknowledge receipt of and provide comments on your Action Plan.

Climate Wise would like to commend you for your participation in the program and recognizes the time dedicated to reporting the results of your activities. While the benefits of your participation translate to real savings for your company, you should be proud to have made a significant contribution toward reducing greenhouse gas emissions. Your Action Plan will serve as a model to other companies who are contemplating joining the program.